Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

1 to 16. (canceled)

17. (new) A method of treating cancer comprising co-administration of interleukin 18 and a herpes simplex virus that selectively replicates in cancer cells, wherein said interleukin 18 is administered as a protein.

18. (new) The method according to claim 17, wherein the herpes simplex virus is a recombinant herpes simplex virus.

19. (new) The method according to claim 17 or 18, wherein the interleukin 18 is administered systemically.

20. (new) The method according to claim 19, further comprising local administration of interleukin 12 at a tumor tissue.

21. (new) The method according to claim 19, further comprising local administration at a tumor tissue of a recombinant herpes simplex virus that selectively replicates in cancer cells, wherein a gene coding for interleukin 12 has been inserted expressively in the genomic DNA of the recombinant herpes simplex virus.

22. (new) The method according to claim 17 or 18, wherein the herpes simplex virus is injected into a tumor tissue.

23. (new) The method according to claim 22, wherein the cancer is located separately from the tumor tissue injected with the herpes simplex virus.

24. (new) A method according to claim 18, wherein the γ34.5 gene and ICP6 gene of the recombinant herpes simplex virus have been deleted or inactivated.

25. (new) A method according to claim 24, wherein the ICP47 gene of the recombinant herpes simplex virus has also been deleted or inactivated.

26. (new) A method of treating cancer, comprising administering a recombinant herpes simplex virus that selectively replicates in cancer cells into a tumor tissue and systemically administering interleukin 18 as a protein, wherein the γ34.5 gene and ICP6 gene of the recombinant herpes simplex virus have been deleted or inactivated, and a gene coding for interleukin 12 has been inserted expressively in the genomic DNA of the recombinant herpes simplex virus.

27. (new) A method according to claim 26, wherein the ICP47 gene of the recombinant herpes simplex virus has also been deleted or inactivated.